

Commercial Extended Temperature SSDs

Ensuring System Stability Amid
Fluctuating Temperature Conditions

Commercial Extended Temperature (CET) SSDs operate efficiently from -25°C to 85°C to keep system functioning stably and efficiently without overheating and with enhanced security, all while offering a cost-effective solution.



High Adaptability

Stable performance while operating from -25°C to 85°C in fluctuating conditions.



Cost-Effective

Provides reliable performance without breaking your budget at the same time.



Overheating Prevention

Supports **Thermal Throttling** to manage the device temperature when responding to increased temperature conditions.



Ensuring Security

Advanced protection with **TCG Opal 2.0**, which is hardware-based encryption to storage devices.

Product Specification



Model Name	PT250-M280	ST250-M280	ST250-25	ST250-300
Form Factor	M.2 2280	M.2 2280	2.5"	mSATA(MO-300)
Interface	PCIe Gen4 x4	SATA 3.2 (6Gb/s)	SATA 3.2 (6Gb/s)	SATA 3.2 (6Gb/s)
NAND Flash Type	3D TLC	3D TLC	3D TLC	3D TLC
Capacity	128GB~4TB	128GB~2TB	128GB~2TB	128GB~2TB
Max. Sequential R/W (MB/sec.)	3700/3485	560/515	560/515	560/515
Max. Random R/W (IOPS)	570K/677K	51K/67K	51K/66K	52K/67K
External DRAM Buffer	No	No	No	No
Operating Temperature (°C)	-25°C ~ 85°C	-25°C ~ 85°C	-25°C ~ 85°C	-25°C ~ 85°C

In a World Where Data Drives Every Decision,

Apacer leads in SSD and DRAM innovation, providing advanced solutions tailored to both consumer and industrial needs. From specialized applications to entertainment, we ensure fast, reliable storage and processing.

More than just products, we partner with you to solve challenges, optimize performance, and future-proof your operations. Our commitment to excellence empowers you to unlock the full potential of your data.

Access the Best — Where Reliability Meets Innovation.

“At Apacer, innovation is at the heart of everything we do. We're unlocking the full potential of data, no matter where it resides, and delivering transformative solutions that drive business growth and enrich lives worldwide.”

Gibson Chen
President of Apacer

